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(57) Abstract:

PURPOSE: To secure anti-corrosiveness with the amalgamation ratio held low by selecting the negative electrode anti-corrosive agent from a group containing polyoxyethylene-slyphenylether, derivatives formed by substitution of its end functional group with a certain acid radical, and salts obtained through neutralization of these derivatives.

CONSTITUTION: As anti-corrosive agent for a negative electrode active substance is used at least one of the following: polyoxyethylene-alkyphenylether Eq. I, derivatives Eq. II~IV obtained by substituting its end functional group with phosphonic acid radical, sulfonic acid radical, or methylenecarboxylic acid radical, and

salts obtained by neutralizing these derivatives with alkali metal, for ex., Eq. V. Application of any of these anti-corrosive agents is made by means of addition to electrolyte liquid, impregnation in either or both of the separator and liquid retaining material, and affixation to the surface of negative electrode active substance.

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